

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v21)**

1. Factor the expression  $5x^2 + 22x - 15$

$$(5x - 3)(x + 5)$$

2. Factor the expression  $11x^2 + 85x - 24$

$$(11x - 3)(x + 8)$$

3. Factor the expression  $11x^2 + 8x - 3$

$$(11x - 3)(x + 1)$$

4. Factor the expression  $7x^2 + 71x + 72$

$$(7x + 8)(x + 9)$$

5. Factor the expression  $11x^2 + 60x + 25$

$$(11x + 5)(x + 5)$$

6. Factor the expression  $11x^2 - 20x - 4$

$$(11x + 2)(x - 2)$$

7. Factor the expression  $11x^2 - 54x - 5$

$$(11x + 1)(x - 5)$$

8. Factor the expression  $2x^2 + 17x + 30$

$$(2x + 5)(x + 6)$$

9. Factor the expression  $5x^2 + 37x + 42$

$$(5x + 7)(x + 6)$$

10. Factor the expression  $5x^2 + 27x - 18$

$$(5x - 3)(x + 6)$$